

## CLAIMS

What is claimed is:

1. A film product comprising:  
a metallocene catalyzed polypropylene; and  
a tenacity of at least about 2.5 g/den,  
wherein the film product is capable of being drawn at a draw ratio of from about 5.0:1 to about 10.0:1.
2. The film product of claim 1, wherein the film product further comprises a tenacity of about 5.0 g/den.
3. The film product of claim 2, wherein the film product is capable of being processed into at least one of a slit tape and a woven product, wherein the tenacity of the woven product is about 4.8 g/den.
4. The film product of claim 1, wherein the draw ratio is about 9.25:1.
5. The film product of claim 1, wherein the metallocene catalyzed polypropylene comprises at least one additive.
6. The film product of claim 1, wherein the film product is capable of being processed into a slit tape product.

7. The film product of claim 6, wherein at least one of the film product and the slit tape product are capable of being woven into a woven product.
8. The film product of claim 7, wherein the woven product comprises a tenacity of within about 10.0 percent of the tenacity of the at least one of the film product and the slit tape product.
9. The film product of claim 1, wherein the metallocene catalyzed polypropylene comprises a metallocene catalyzed isotactic polypropylene.
10. The film product of claim 9, wherein the metallocene catalyzed isotactic polypropylene comprises an isotacticity of less than about 99.0 percent.
11. The film product of claim 9, wherein the metallocene catalyzed isotactic polypropylene comprises an insertion error of more than about 2.0 percent.
12. The film product of claim 1, wherein the metallocene catalyzed polypropylene comprises a polymerized propylene.

13. A film product of a process comprising:
- (A) polymerizing a monomer in the presence of a metallocene catalyst system to produce metallocene catalyzed polypropylene, wherein the metallocene catalyst system comprises a metallocene catalyst;
  - (B) processing the metallocene catalyzed polypropylene into a film product; and
  - (C) drawing the film product at a draw ratio of from about 5.0:1 to about 10.0:1, the film product comprising a tenacity of at least about 2.5 g/den.
14. The film product of claim 13, wherein the monomer comprises a propylene.
15. The film product of claim 13, wherein the metallocene catalyst system comprises a co-catalyst.
16. The film product of claim 13, wherein the co-catalyst comprises an organoaluminum compound.
17. The film product of claim 13, wherein the metallocene catalyst system comprises at least one of a homogenous catalyst system and a supported catalyst system.
18. The film product of claim 13, wherein said polymerizing the monomer is performed in a loop reactor system.

19. The film product of claim 13, wherein said process further comprises
  - (i) extruding the metallocene catalyzed polypropylene; and
  - (ii) drawing the metallocene catalyzed polypropylene through a die.
20. The film product of claim 13, wherein said polymerizing the monomer further comprises adding at least one additive.
21. The film product of claim 13, wherein the process further comprises
  - (i) processing the film product into a slit tape product, the processing comprising slitting the film product.
22. The film product of claim 21, wherein the process further comprises
  - (i) weaving the slit tape product into a fabric.
23. The film product of claim 22, wherein the fabric comprises a tenacity of within about 10.0 percent of the tenacity of the film product.
24. The film product of claim 13, wherein the process further comprises
  - (i) weaving the film product into a fabric.
25. The film product of claim 24, wherein the fabric comprises a tenacity of within about 10.0 percent of the tenacity of the film product.

26. The film product of claim 13, wherein the metallocene catalyzed polypropylene further comprises a metallocene catalyzed isotactic polypropylene.

27. The film product of claim 13, wherein the film product comprises an isotacticity of less than about 99.0 percent.

28. A method of producing a metallocene catalyzed polypropylene film product having a tenacity of at least about 2.5 g/den, the method comprising:

- (A) extruding a metallocene catalyzed polypropylene;
- (B) forming the metallocene catalyzed polypropylene into a substantially flat product;
- (C) cooling the substantially flat product; and
- (D) stretching the substantially flat product into the metallocene catalyzed polypropylene film product.

29. The method of claim 28, wherein said formation further comprises using a die to form the substantially flat product.

30. The method of claim 28, wherein said cooling further comprises cooling the substantially flat product with cooling equipment, the cooling equipment selected from the group consisting of:

- (i) at least one chill roller; and
- (ii) at least one quench bath.

31. The method of claim 30, wherein the at least one chill roller cools the substantially flat product to a temperature of from about 30 degrees centigrade to about 60 degrees centigrade.
32. The method of claim 28, wherein said stretching further comprises:
- (i) heating the substantially flat product;
  - (ii) drawing the substantially flat product; and
  - (iii) annealing the substantially flat product.
33. The method of claim 32, wherein said heating further comprises heating the substantially flat product to a temperature of from about 130 degrees centigrade to about 180 degrees centigrade.
34. The method of claim 32, wherein said drawing further comprises drawing the substantially flat product at a draw ratio of from about 5.0:1 to about 10.0:1.
35. The method of claim 32, wherein said drawing further comprises drawing the substantially flat product at a draw ratio of about 9.25:1.
36. The method of claim 32, wherein said annealing further comprises heating the substantially flat product to a temperature of from about 130 degrees centigrade to about 170 degrees centigrade.

37. The method of claim 28, further comprising
- (i) processing the film product into a slit tape product.
38. The method of claim 37, further comprising
- (i) weaving the slit tape product into a woven product.
39. The method of claim 38, wherein the woven product comprises a tenacity of within about 10.0 percent of the tenacity of the film product.
40. The method of claim 28, further comprising
- (i) weaving the film product into a woven product.
41. The method of claim 40, wherein the woven product comprises a tenacity of within about 10.0 percent of the tenacity of the film product.
42. A method of weaving a woven product from a slit tape having a tenacity of at least about 2.5 g/den, wherein the slit tape comprises a processed metallocene catalyzed polypropylene film product, the method comprising:
- (A) supplying the slit tape to a loom, the slit tape being configured to be stored in a loom beam; and
  - (B) weaving the slit tape into the woven product, the woven product having a tenacity of within about 10.0 percent of the tenacity of the slit tape.

43. The method of claim 42, wherein said weaving further comprises weaving a plurality of fill yarns into the woven product.

44. The method of claim 42, wherein the woven product has a tenacity of within about 10.0 percent of the tenacity of the metallocene catalyzed polypropylene film product.